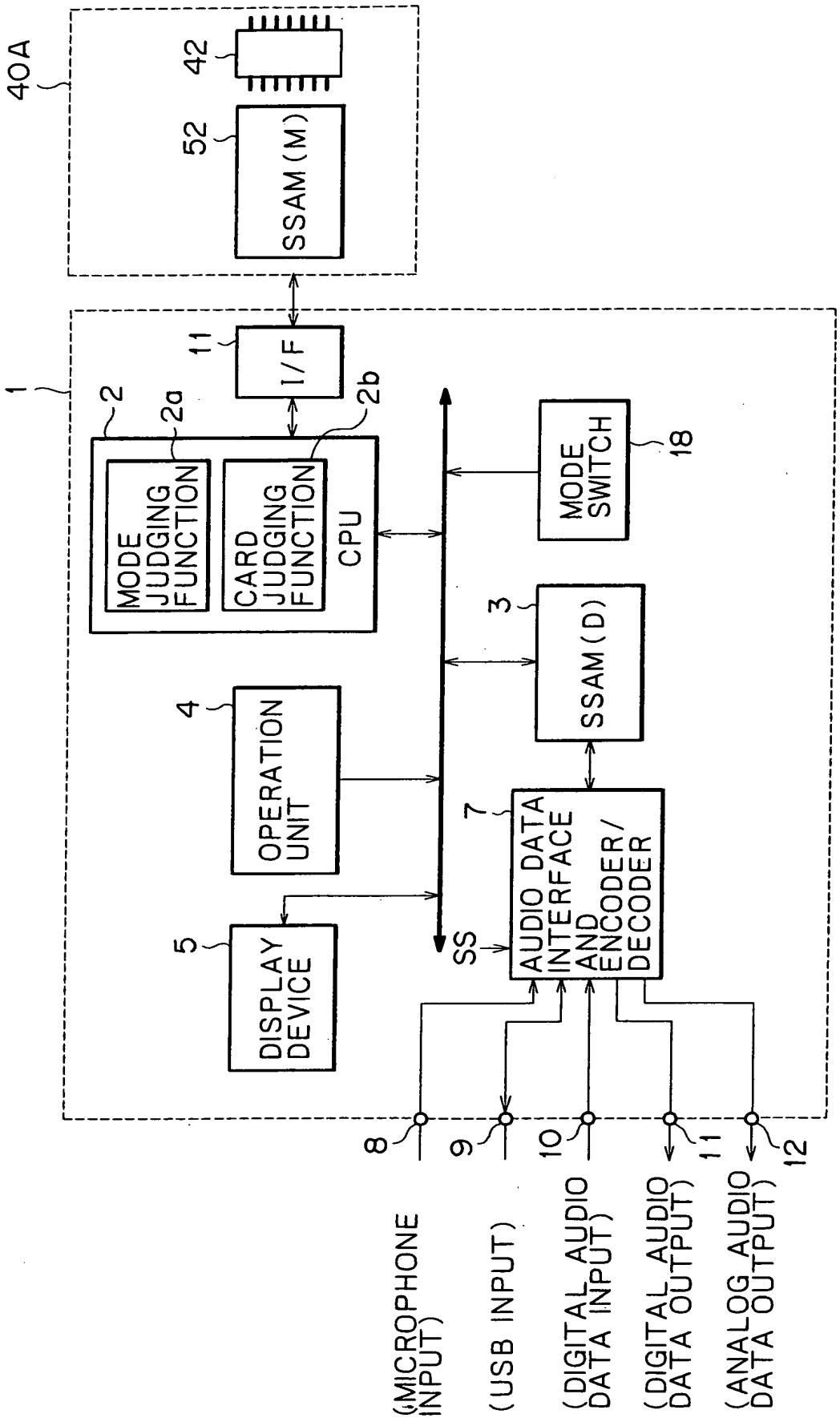
00C290 "05th960

FIG. 1



08C280-66sth960

FIG. 2

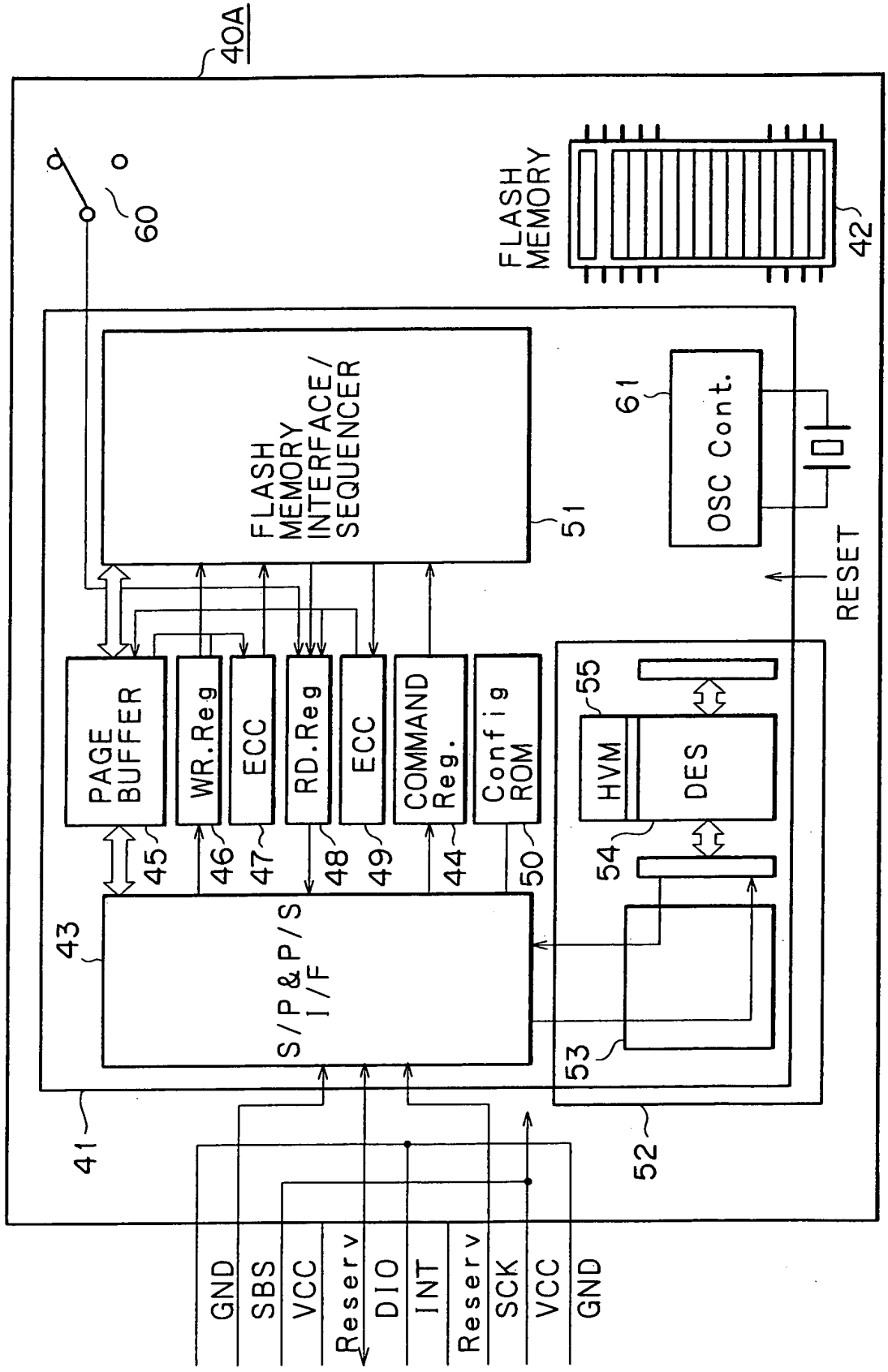
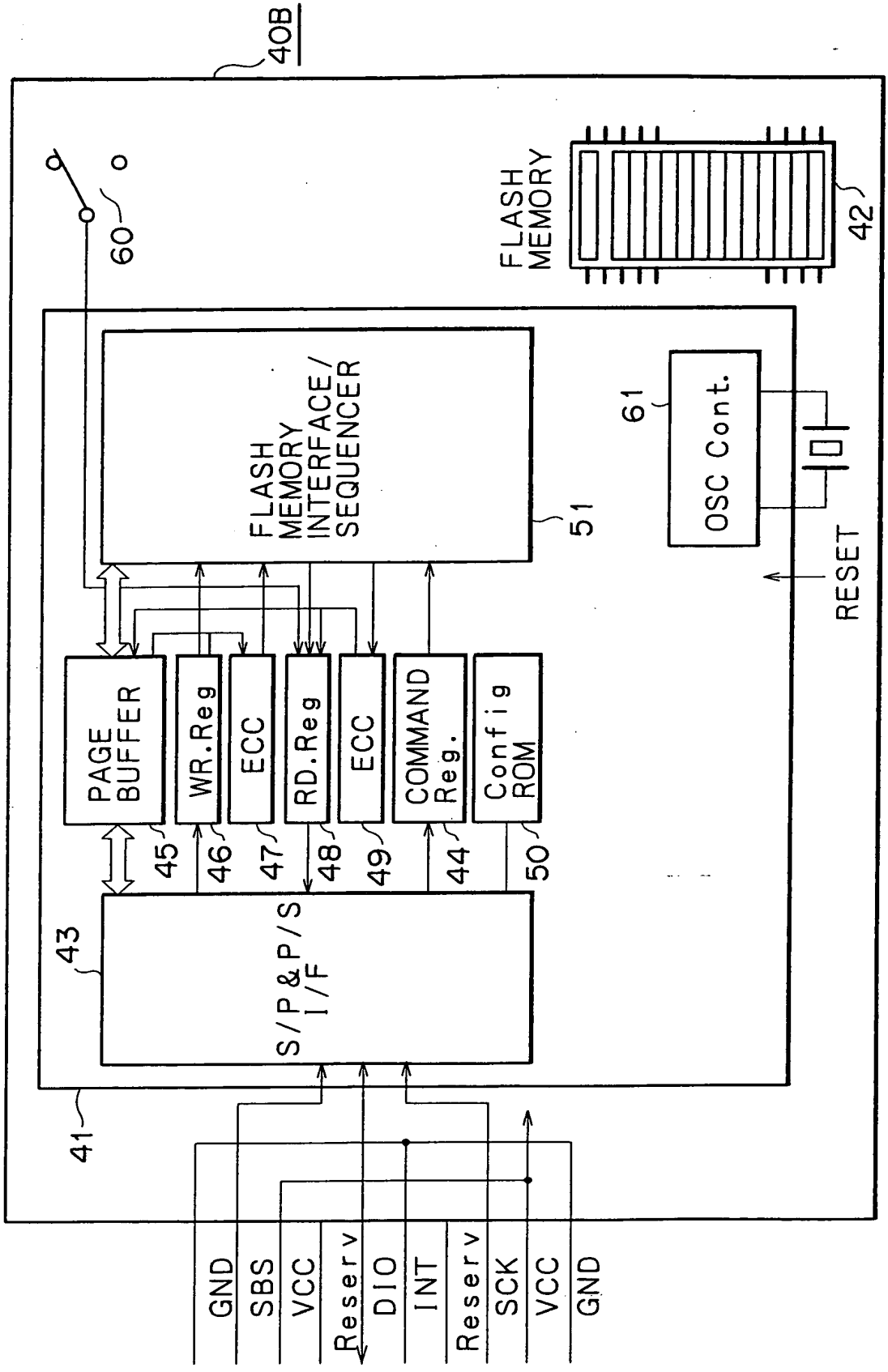


FIG. 3


40B
60
FLASH MEMORY
42
FLASH MEMORY INTERFACE/ SEQUENCER
51
61
OSC Cont.
RESET
PAGE BUFFER
WR.Reg
ECC
RD.Reg
ECC
COMMAND Reg.
Config ROM
45
46
47
48
49
44
50
43
S/P&P/S I/F
41
GND
SBS
VCC
Reserv
DIO
INT
Reserv
SCK
VCC
GND

09Ph5599 "0823DD

FIG. 4

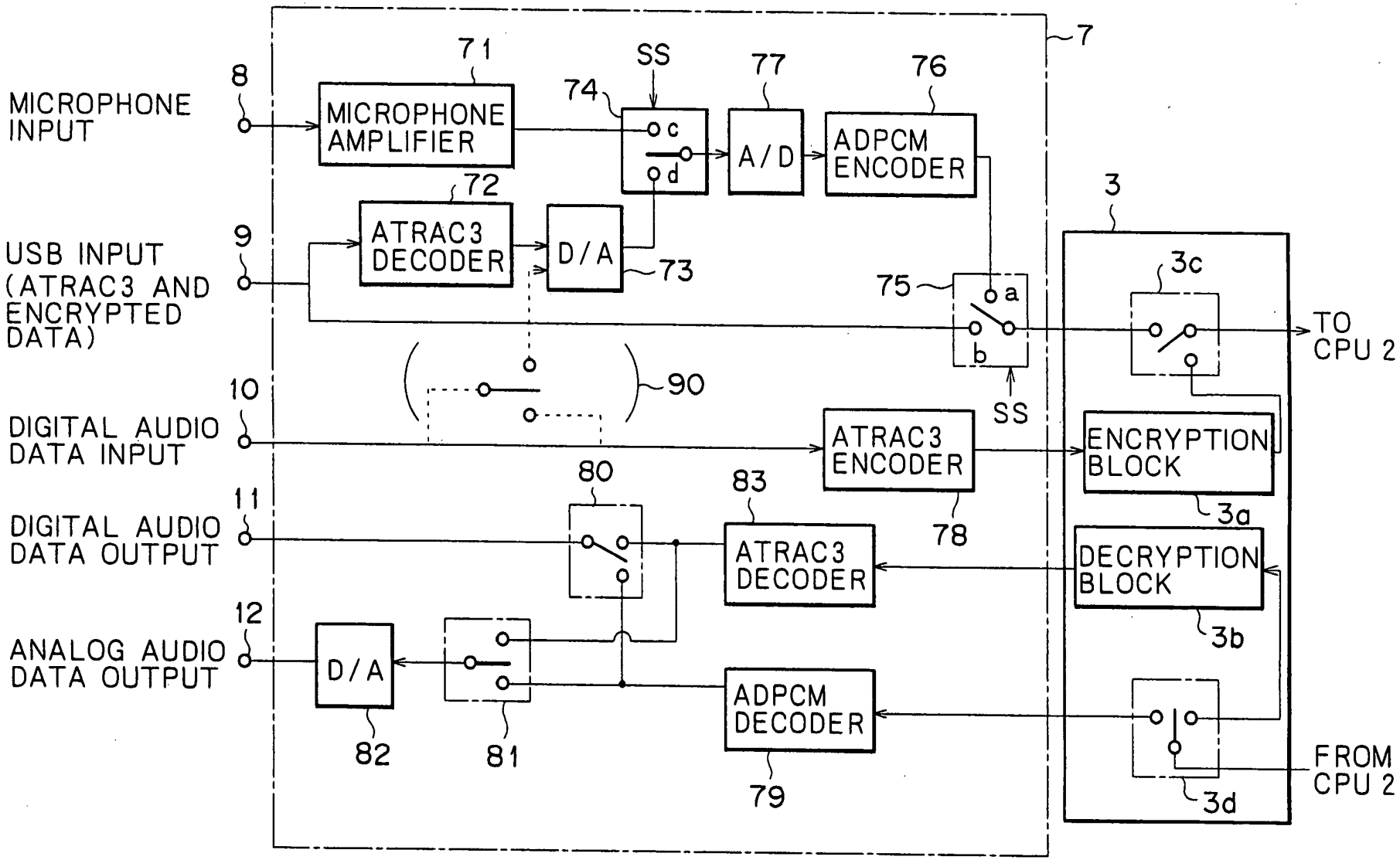
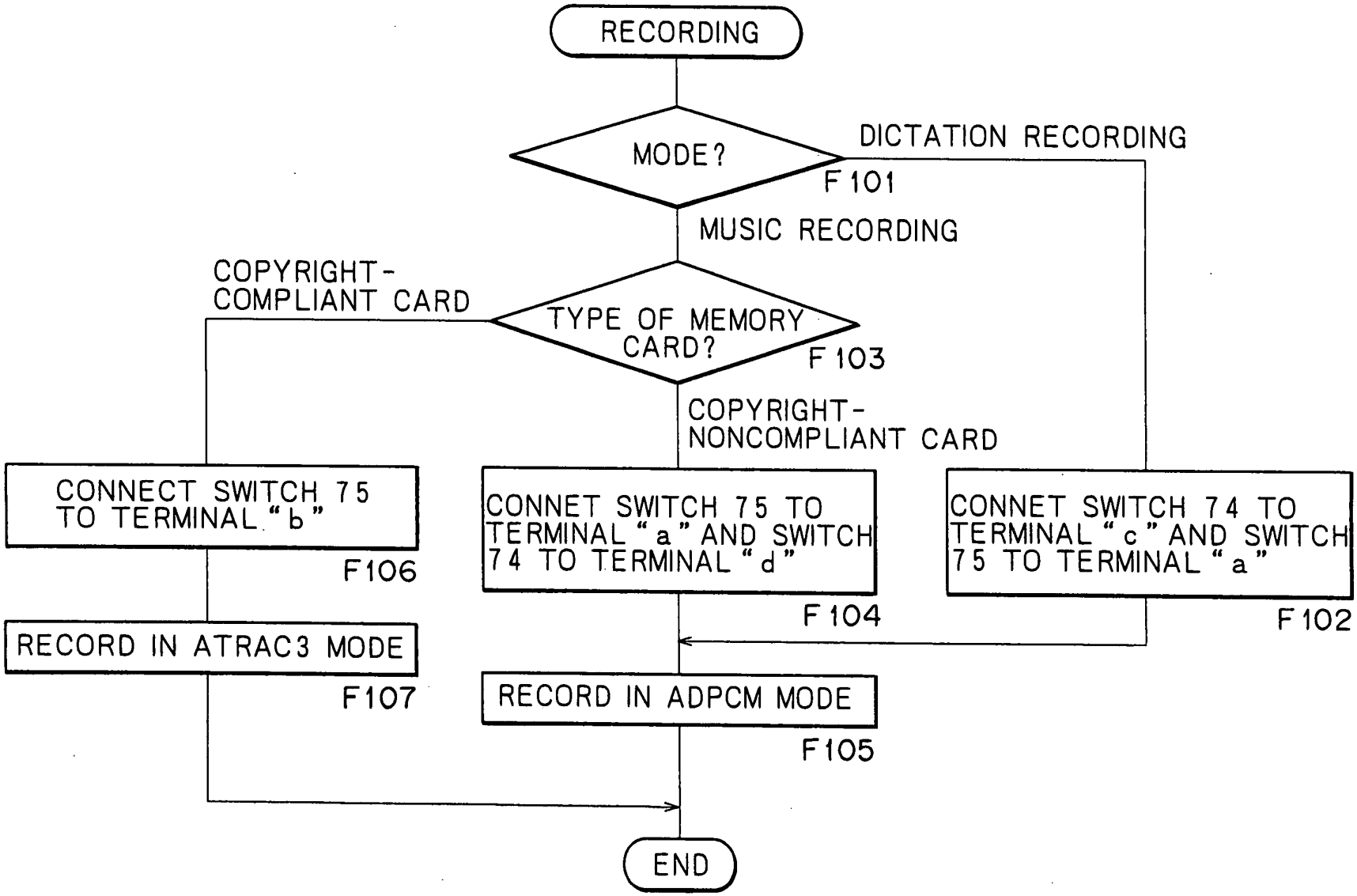


FIG. 5


RECORDING
MODE?
F101
DICTATION RECORDING
MUSIC RECORDING
COPYRIGHT-COMPLIANT CARD
TYPE OF MEMORY CARD?
F103
COPYRIGHT-NONCOMPLIANT CARD
CONNECT SWITCH 75 TO TERMINAL "b"
F106
CONNET SWITCH 75 TO TERMINAL "a" AND SWITCH 74 TO TERMINAL "d"
F104
CONNET SWITCH 74 TO TERMINAL "c" AND SWITCH 75 TO TERMINAL "a"
F102
RECORD IN ATRAC3 MODE
F107
RECORD IN ADPCM MODE
F105
END

0E280"665th960

FIG. 6

CARD TYPE / MODE	COPYRIGHT-COMPLIANT CARD	COPYRIGHT-NONCOMPLIANT CARD
DICTATION RECORDING	RECORD MICROPHONE INPUT THROUGH ADPCM	RECORD MICROPHONE INPUT THROUGH ADPCM
MUSIC RECORDING	RECORD USB INPUT THROUGH ATRAC3	RECORD USB INPUT THROUGH ADPCM

FIG. 7

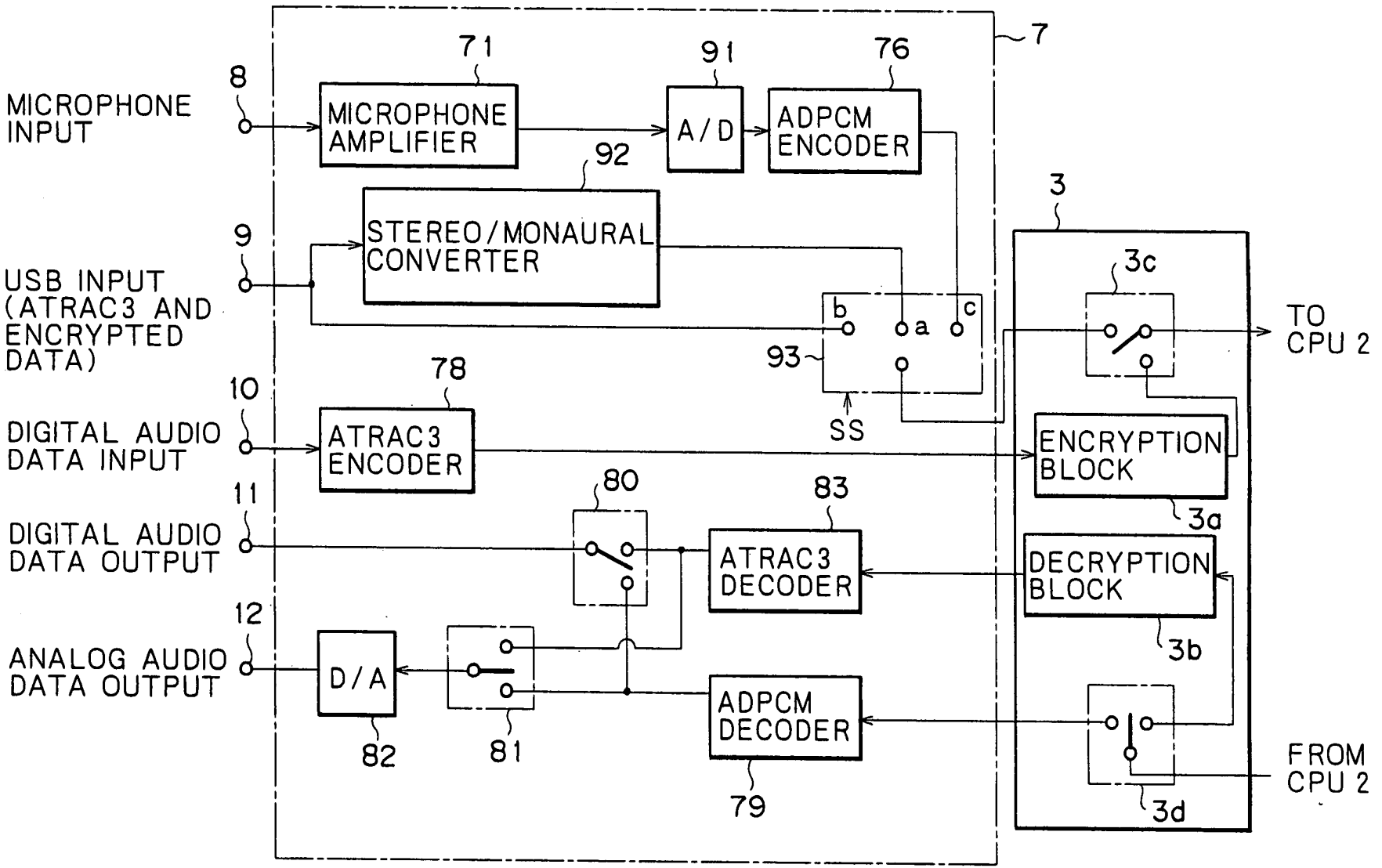
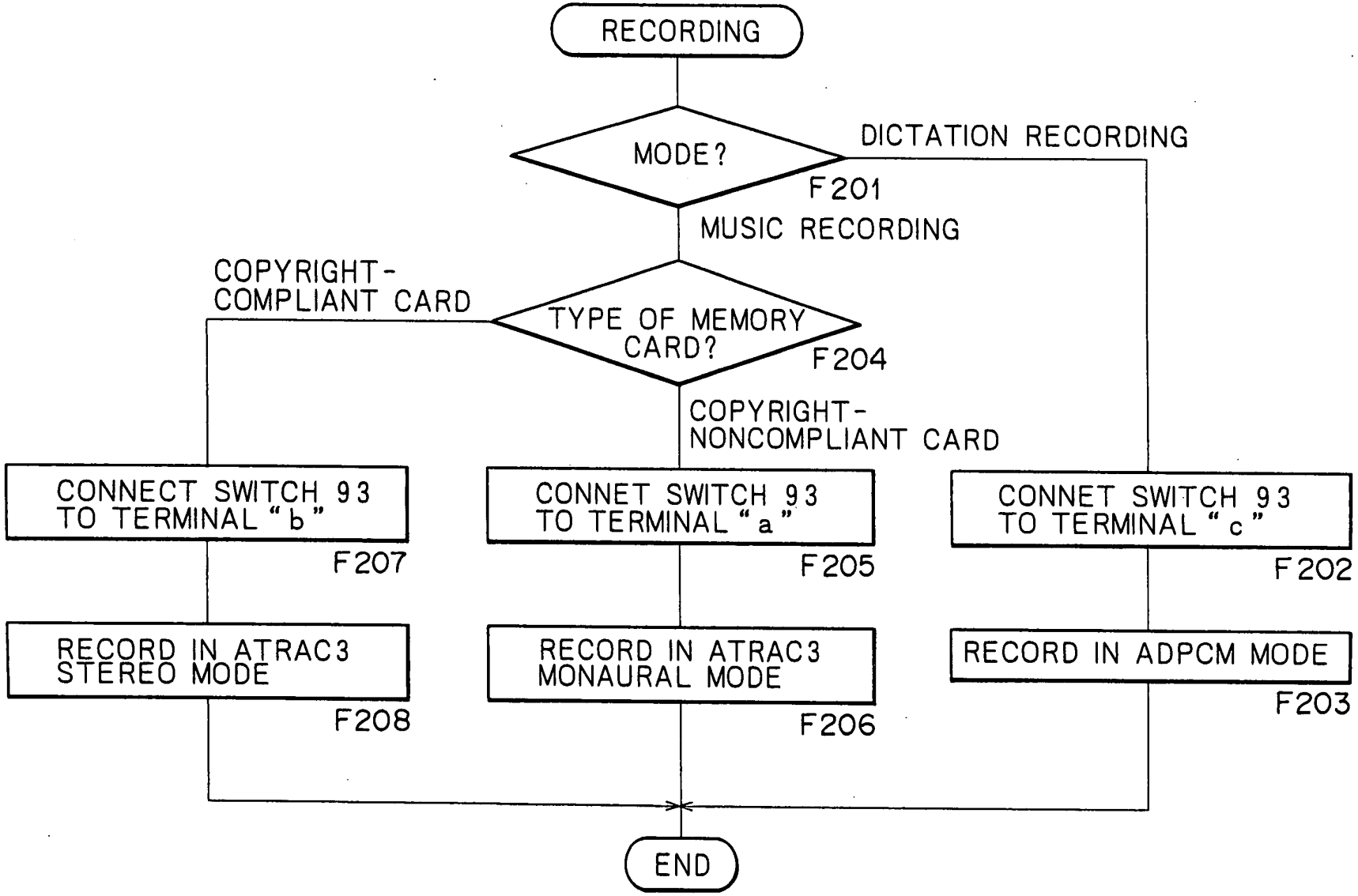

7
71
91
76
8
MICROPHONE INPUT
MICROPHONE AMPLIFIER
A/D
ADPCM ENCODER
92
3
9
USB INPUT (ATRAC3 AND ENCRYPTED DATA)
STEREO/MONAURAL CONVERTER
3c
b
a
c
TO CPU 2
93
SS
78
10
DIGITAL AUDIO DATA INPUT
ATRAC3 ENCODER
ENCRYPTION BLOCK
3a
80
83
11
DIGITAL AUDIO DATA OUTPUT
ATRAC3 DECODER
DECRYPTION BLOCK
3b
12
ANALOG AUDIO DATA OUTPUT
D/A
ADPCM DECODER
FROM CPU 2
82
81
79
3d

FIG. 8


RECORDING
MODE?
F201
DICTATION RECORDING
MUSIC RECORDING
COPYRIGHT-COMPLIANT CARD
TYPE OF MEMORY CARD?
F204
COPYRIGHT-NONCOMPLIANT CARD
CONNECT SWITCH 93 TO TERMINAL "b"
F207
CONNET SWITCH 93 TO TERMINAL "a"
F205
CONNET SWITCH 93 TO TERMINAL "c"
F202
RECORD IN ATRAC3 STEREO MODE
F208
RECORD IN ATRAC3 MONAURAL MODE
F206
RECORD IN ADPCM MODE
F203
END

0082801665th960

FIG. 9

CARD TYPE / MODE	COPYRIGHT-COMPLIANT CARD	COPYRIGHT-NONCOMPLIANT CARD
DICTATION RECORDING	RECORD MICROPHONE INPUT THROUGH ADPCM	RECORD MICROPHONE INPUT THROUGH ADPCM
MUSIC RECORDING	RECORD USB INPUT IN ATRAC3 STEREO MODE	RECORD USB INPUT IN ATRAC3 MONAURAL MODE